

## Receiving Report

Date: 9/9/11

Batch No: M112652

Supplier: MARMen

Dart P/O: 10296

Packing Slip: Yes  No   
 Invoice: Yes  No   
 Receipt: Cash  Cr

Release Note Attached: Yes  No  N/A   
 Waybill Attached: Yes  No  N/A   
 Shipment Complete: Yes  No  N/A   
 QC6 Inspection  QC6  N/A   
 Work Order  C10914  N/A

### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M6001T6T0.5W W.058		5W	504	0	4	over
M6001T0700 W.058		108	0	0	8	

Initials of receiver (if shipment OK) Level 12 

Production/Admin:

Date

Received/Costing

Initial

09/09/11  
RCB  
CX

Location

# Marmon / Keystone Canada Inc.

**Specialty Steels**

290 Chemin du Tremblay Boucherville QU CAN J4B 5L4 527 9153 FAX (450) 641 4357

INVOICE  
FACTURE  
409494

INVOICE DATE  
DATE DE FACTURE  
9/10/09

PAGE.: 1

SOLD TO: VENDU À:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

RECEIVED  
SEP 15 2009

SHIPPED TO: EXPÉDIER À:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY

ON CAN K6A 1K7

HAWKESBURY

ON CAN K6A 1K7

SHIP VIA / EXPÉDIÉ PAR EPIC		F.O.B. / F.A.B. BOUCHERVILLE	G.S.T. / T.P.S. R137204947 Q.S.T. / T.V.Q. 1016343044 TQ0001 LE	
YOUR ORDER NO. / VOTRE N° DE COMMANDE 10296		SALESMAN / VENDEUR GHI	MARMON / KEYSTONE # 14470	PROVINCIAL TAX NO. 6122-5207
ORDERED / COMMANDÉE	DESCRIPTION	SHIPPED / EXPÉDIÉE QUANTITY / QUANTITÉ	UNIT PRICE / PRIX UNITAIRE	AMOUNT / MONTANT
204 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .375 .035 D6061	204 FT 9 LBS 17 Pieces	1.850 /FT	377.40
72 FT	Cust. part#: M6061T60.375W.035 ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .750 .058 D6061	72 FT 11 LBS 6 Pieces	3.250 /FT	234.00
348 FT	Cust. part#: M6061T6T0.750W.058 ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .500 .058 D6061	348 FT 33 LBS 29 Pieces	2.480 /FT	863.04
300 FT	STAINLESS STEEL SEAMLESS TUBE ANNEALED AND PICKLED A213/SA213 A.W. 304L SMLS TUBE 3/4 X .049 SA213 A.W. A&P SIS .750 .049 F304L	300 FT 110 LBS 15 Pieces	2.250 /FT	675.00
36 FT	Cust. part#: M304TR0.750W.049 ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .750 .058 D6061	36 FT 5 LBS 3 Pieces	3.250 /FT	117.00

TERMS: NET 30 DAYS  
PLUS 2% PER MONTH ON  
ALL OVERDUE ACCOUNTS.

TERMES: NET 30 JOURS  
PLUS 2% PAR MOIS  
SUR COMPTE PASSÉ DÜ.

FOR CONDITIONS OF SALE REFER TO BACK OF INVOICE.  
POUR LES CONDITIONS DE VENTE, VOUS TROUVEREZ LES  
RENSEIGNEMENTS À L'ENDOS DE LA FACTURE ORIGINALE.

G.S.T. T.P.S.	
PROVINCIAL TAX TAXE PROVINCIALE	

PAYMENT OF THIS INVOICE IS DUE BY  
LE RÈGLEMENT DE CETTE FACTURE EST EXIGIBLE AU PLUS TARD LE

# Marmon / Keystone Canada Inc.



290 Chemin du Tremblay Boucherville QU CAN J4B 5X9 TEL (514) 527 9153 FAX (450) 641 4357

INVOICE  
FACTURE  
409494

INVOICE DATE  
DATE DE FACTURE

9/10/09

PAGE : 2

SOLD TO: VENDU À:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

SHIPPED TO: EXPÉDIER À:  
DART AEROSPACE LTD  
1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

HAWKESBURY ON CAN K6A 1K7

SHIP VIA / EXPÉDIÉ PAR EPIC		F.O.B. / F.A.B. BOUCHERVILLE	G.S.T. / T.P.S. R137204947 Q.S.T. / T.V.Q. 1016343044 TQ0001 LE	
ORDERED / COMMANDEE	DESCRIPTION	SHIPPED / EXPÉDIÉE QUANTITY / QUANTITÉ	UNIT PRICE / PRIX UNITAIRE	AMOUNT / MONTANT
156 FT	Cust. part#: M6061T6T0.750W.058  ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .500 .058 D6061	156 FT 15 LBS 13 Pieces	① 2.480 /FT	386.88
	Cust. part#: M6061T6T0.500W.058			
	Energy Surcharge			12.20

ORIGINAL INVOICE / FACTURE ORIGINALE

TERMS: NET 30 DAYS  
PLUS 2% PER MONTH ON  
ALL OVERDUE ACCOUNTS.

TERMS: NET 30 JOURS  
PLUS 2% PAR MOIS  
SUR COMPTE PASSÉ DÜ.

FOR CONDITIONS OF SALE REFER TO BACK OF INVOICE.  
POUR LES CONDITIONS DE VENTE, VOUS TROUVEREZ LES  
RENSEIGNEMENTS À L'ENDOS DE LA FACTURE ORIGINALE.

G.S.T. /HST T.P.S.	133.28
PROVINCIAL TAX TAXE PROVINCIALE	.00

10/12/2009

2,798.80

PAYMENT OF THIS INVOICE IS DUE BY  
LE RÈGLEMENT DE CETTE FACTURE EST EXIGIBLE AU PLUS TARD LE

## Purchase Order Receipt Listing

September 14, 2009 2:38:01 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO10296 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

**Marmon/Keystone Canada Inc.**  
**Specialty Steels**

PACKING SLIP

290 Chemin du Tremblay  
 Boucherville QU CAN J4B 5X9  
 TEL. 514/527-9153  
 FAX. 450/641-4357

PAGE..: 1  
 Order : 14470  
 Date..: 09/10/2009

SOLD TO:

DART AEROSPACE LTD  
 1270 ABERDEEN STREET  
 HAWKESBURY ON CAN K6A 1K7

SHIPPED TO:

DART AEROSPACE LTD  
 1270 ABERDEEN STREET  
 HAWKESBURY ON CAN K6A 1K7

SHIP VIA EPIC	F.O.B. BOUCHERVILLE	SALESPERSON G. Dulude	YOUR ORDER NO. 10296	
Ordered	Description	Number Pieces	Quantity Shipped	Back Ordered
01 204 /FT	Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment  ALUMINUM SMLS TUBE ATS .375 .035 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.375W.035 HT#.....: 521252 Total...	rev:08/08	✓ 17 17	204/FT 204/FT IN
02 72 /FT	ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.750W.058 HT#.....: D924 Total...	✓ 6 6	72/FT 72/FT IN	
03 348 /FT	ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.500W.058 HT#.....: D925 Total...	✓ 29 29	348/FT 348/FT IN	
04 300 /FT	STAINLESS STEEL SEAMLESS TUBE 304L SMLS TUBE 3/4 X .049 SA213 A.W. A&P STS .750 .049 F304L Tariff Number: 7304. Cust. part#: M304TR0.750W.049 HT#.....: 772-3850 Total...	15 15	300/FT 300/FT IN	
05 36 /FT	ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.750W.058 HT#.....: 175-48777 Total...	✓ 3 3	36/FT 36/FT IN	
06 156 /FT	ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T6T0.500W.058 HT#.....: F00003727 Total...	✓ 13 13	156/FT 156/FT IN	

No. of Bdls/Pieces

2 / 0

Total Weight.....:

183

Customers.: \_\_\_\_\_

PC 9/9/11



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO10296

Purchase Order Date 8/28/09  
PO Print Date 8/28/09

Page Number 1 of 2

Order From :  
MARMON/KEYSTONE CANADA LTD.  
290 CHEMIN DU TREMBLAY  
BOUCHERVILLE, QC J4B 5X9  
CA

VC-MAR001

**FAXED**  
*8/28/09*

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	10127-2607
Vendor Fax	Tax Resale Nbr	Net 30
Vendor Account Nbr	Terms	CAD

**FOB**

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304TR0.750W.049	304 RD Tube .750 x .049W	9/02/09 Yes	✓ 300.00	Epic collect <i>f No 204</i>	\$2.2500	\$675.00

**Special Inst:** MATERIAL: AISI 304/316 SS SEAMLESS  
ROUND TUBING  
SPEC'S: ASTM A213 OR ASME SA213 OR  
ASTM A269

2	M6061T6T0.375W.035	6061-T6 RD Tube .375 x.035W	9/02/09 Yes	✓ 204.00	Epic collect <i>f</i>	\$1.8500	\$377.40
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**Special Inst:** MATERIAL: 6061-T6 OR 6061-T62  
TUBING PER: WW/T-700/6 OR AMS 4080  
OR AMS 4082 OR QQ-A-220/8 OR QQ-A-  
225/8  
PLEASE SHIP BACK ORDER WHEN  
READY

*NEC 348 + 156 = 504*

3	M6061T6T0.500W.058	6061-T6 RD Tube .500 x.058W	9/02/09 Yes	500.00	Epic collect <i>f</i>	\$2.4800	\$1,240.00
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*10/9/09*

*11262*

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr:

1

Change Date: 8/28/09



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO10296

Purchase Order Date 8/28/09  
PO Print Date 8/28/09

Page Number 2 of 2

**Order From :**

MARMON/KEYSTONE CANADA LTD.  
290 CHEMIN DU TREMBLAY  
BOUCHERVILLE, QC J4B 5X9  
CA

VC-MAR001

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	

4	M6061T6T0.750W.058	6061-T6 RD Tube .750 x.058W	9/02/09	100.00	Epic collect f Nec 108	\$3.2500	\$325.00
			Yes			100/9/11	

PO Total: \$2,617.40

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 8/28/09



Control No: 108230

**Precision Tube Company****A Mueller Industries Company**

287 Wissahickon Avenue

North Wales, Pennsylvania 19454

Phone: (215) 699-5801 - Fax: (215) 699-0761

**CERTIFICATION AND TEST REPORTS**

9068 ITEM 4-5	328563	24A037500350030
SOLD TO 130 ESSEX AVENUE EAST AVENEL, NJ 07001	SHIP TO PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001	PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001
5,004 FT	METAL - 6061 ALUM TEMPER - T6 SPEC - AMS-WW-T-700/6A ASTM-B-210-04 LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD .3750 +.0030 -.0030 ID WALL .0350 +.0020 -.0020	4,872 FT 04/17/09
S 02/28/09		

SAMPLE #	TENSILE STRENGTH (P.S.I.)	YIELD STRENGTH (P.S.I.)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)
1	46,829	39,916	15		

EXPANSION TEST:  
MERCURIOUS NITRATE TEST:  
MICRO EXAMINATION:FLATTENING TEST:  
FLARE TEST:

EDDY CURRENT TEST: PASS		
HYDROSTATIC PRESSURE TEST:		
ULTRASONIC TEST:		
TRACEABILITY #: 521252		
RAW MATL VEND: PTT4529 - KAISER ALUMINUM		
ALLOY: 6061 HEAT:	Si Fe Cu Mn Mg Cr Zn Ti Other - Elements Al	Each Tot. Rem.
MIN. 0.40 0.15 0.80 0.04		
MAX. 0.80 0.70 0.40 0.15 1.20 0.35 0.25 0.15 0.05 0.15		

We hereby certify that the foregoing results are correct, that the material complies with the requirements of the above specifications and purchase order and that the test reports represent the actual attributes of the items furnished on this order. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employed a single boundary containment.

BY: Art Onaitis 04/17/09

<b>KEMAK ISO 9001:2000</b>		<b>Świadectwo odbioru 3.1 / Inspection certificate 3.1</b> 060009046/08/ZT PN-EN 10204:2006										
Nr komisiku i zamówienia konsumenta Order No and date		Zlecenie sprzedaży Sales order		Zlecenie produkcyjne Production order		Nr awizu Advice No						
PO13254		065001108/20		060009045								
Przedmiot i wykonanie Item and specification		Wymiary lub rysunek Dimensions or drawing		Gatunek stopu Alloy grade	Wytop Heat	kg	Sztuk Pieces	Stan dostawy Temper				
Drawn tube ASTM B 210 AMS-WW-T-700/8		OD: 0.5000" WALL: 0.0580" L: 144"		6061 AlMgTiCu	D925	232	448	T6				
Kontrolę techniczną powyższego zamówienia przeprowadził SWW-LFC Laboratorium. Wyniki badań podano nizej. Technical inspection of above mentioned lot has been carried out by the SWW-LFC Laboratory. Inspection results are stated below.												
1. SKŁAD CHEMICZNY - CHEMICAL COMPOSITION												
Gatunek stopu Alloy grade	Wytop Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti			
6061	D925	0,76	0,18	0,35	0,05	1,07	0,33	0,08	0,02			
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES												
Nr próbki Sample no.	Stan dostawy Temper	Yield [KSI] [kip/in <sup>2</sup> ]	Tensile [KSI] [kip/in <sup>2</sup> ]	A %	A <sub>50mm</sub> %	Twardość Hardness HB	Inne badania Other tests					
86	T6	41,6	47,6		18,2							
3. BADANIA METALOGRAFICZNE - METALLOGRAPHIC TESTS												
Nr próbki Sample no.	Struktura Structure											
Powierzchnia i wymiar zbadano Surface and dimensions were checked		ANSI H 35-2		Materiał oznaczono Material was marked								
Na podstawie wyżej przeprowadzonych prób materiał zwolniono. According to above mentioned tests, the material has been approved.												
Kontrola Jakości Quality inspection Unit						Data Date						
		Kierownik Laboratorium Badów Metalograficznych				08.10.2008						

%[%[SEND]

D6061

# KAISER ALUMINUM FABRICATED PRODUCTS

*Best in Class*

## CERTIFIED TEST REPORT

<http://www.KaiserAluminum.com>

AT5 . 500 . 058

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
6573 W. WILLIS ROAD  
CHANDLER, AZ 85226

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:							
60-38934		AT/.5.058/734		Seamless Tube/Pipe							
KAISER ORDER NUMBER:		LINE ITEM:		SHIP DATE:		KAISER LOT NUMBER:					
202448		002		09/17/2008		F00003727					
WEIGHT SHIPPED:		QUANTITY:		B/L NUMBER:		DIAM/DAF/THKNS:					
678.000 LB		594.000 PCS		201533		WIDTH:					
SHIP TO:		SOLD TO:									
MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA		MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA									

*S  
09/08/08*

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (ksi)	YTS (ksi)	ELONG%	HARDNESS	CON%IACS	BEND
F00003727	0001	1	43.8	40.2	14.0	N/A	N/A	N/A
F00003727	0002	1	47.7	43.6	16.0	N/A	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
R6588	.58	.22	.23	.07	1.02	.08	.02	.02	.00	.00	.00	.01	.01

### Applicable Requirements:

Description: OD: 0.500"; Wall: 0.058"; Round @  
 AMS-4082P ASTM-B210-04 WW-T-700/6F  
 WE TAKE EXCEPTION TO PARA. 24.3, Per ASTM B 210-04, WAS NOT  
 OILED. THE FOLLOWING SPECIFICATION HAVE BEEN MADE INACTIVE OR  
 CANCELLED: MIL-T-7081, WW-T-700F/GEN, WW-T-700/2E, WW-T-700/3F,  
 WW-T-700/4F, WW-T-700/5E, WW-T-700/6F, WW-T-700/7B.  
 COMPLIES TO DIN EN 10204 JAN 2005

MARMON / KEYSTONE	Q.C. REVIEWED
DATE	07/09/08

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. delaCruz, Sr. Metallurgical Engineer

*Wilfredo A. delaCruz*

Plant Serial: 00003035

Kaiser Order Number: 202448

Line Item: 002

*O.C. REVIEWED*

Page 1 of 2



A handwritten signature in black ink that reads "Best in Class".

**CERTIFIED TEST REPORT**  
<http://www.KaiserAluminum.com>

KAIser ALUMINUM  
FABRICATED PRODUCTS, LLC  
6573 W. WILLIS ROAD  
CHANDLER, AZ 85226

**Miscellaneous Notes**

MANUFACTURED IN USA MELTED IN USA

**CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. delaCruz, Sr. Metallurgical Engineer

A handwritten signature in black ink that reads "Wilfredo A. delaCruz".

Page 2 of 2

Plant Serial: 00003035

Kaiser Order Number: 202448

Line Item: 002

KELMAK ISO 9001:2000		Świadectwo odbioru 3.1 / Inspection certificate 3.1 060009046/08/ZT PN-EN 10204:2008													
Nr kontraktu i zamówienie Klienta Order No and date		Zlecenie spedytory Sales order		Zlecenie produkcyjne Production order		Nr awizu Advice No									
PO13254		065001108/40		060009046											
Przedmiot i wykonanie Item and specification		Wymiary lub rysunek Dimensions or drawing		Gatunek stopu Alloy grade		Wytop Heat		kg		Szuk Places		Stan dostawy Temper			
Drawn tube ASTM B 210 AMS-WW-T-700/6		OD: 0.7500" WALL: 0.0580" L: 144"		6061 AlMg1SiCu		D824		148		N/A		T6			
Znak / 07/09/14															
Kontrola techniczna powyższego zamówienia przeprowadził SWW-LFC Laboratorium. Wyniki badań podano nizej. Technical inspection of above mentioned lot has been carried out by the SWW-LFC Laboratory. Inspection results are stated below.															
1. SKRAD CHEMICZNY - CHEMICAL COMPOSITION															
Gatunek stopu Alloy grade	Wytop Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Tl						
6061	D824	0,74	0,18	0,33	0,05	1,04	0,34	0,06	0,02						
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES															
Nr próbki Sample no.	Stan dostawy Temper	Yield (KSI) (kpsi/in <sup>2</sup> )	Tensile (KSI) (kpsi/in <sup>2</sup> )	A	A <sub>50mm</sub>	Twardość Hardness	Inne badania Other tests								
%	%	HB													
139	T6	40,6	46,6		13,5										
3. BADANIA METALOGRAFICZNE - METALLOGRAPHIC TESTS															
Nr próbki Sample no.	Struktura Structure														
Powierzchnie i wymiar zbadano Surface and dimensions were checked		ANSI H35-2		Materiał oznaczono Material was marked											
Na podstawie wyżej przeprowadzonych prób materiał zwolniono. According to above mentioned tests, the material has been approved.															
Kontrola Jakości Quality Inspection Unit						Data Date									
		Kierownik Laboratorium Badów Fizycznych <i>Marcin</i> mgr inż. Grzegorz MROWIEC				24.09.2008									

ATS- .750- .058-

-D6061 \* 175-48777 \* 0004997 \* BN5071 \* 6/19/2007

06/05/2007 From: MARMON/KEYSTONE

M/K OR:

C.P.O.:BN5071

C PART:

INIT.:

To:

OR. REF:

SLSPRS:

**KAISER CHANDLER****CERTIFICATION and  
PHYSICAL TEST RESULTS**

QP 026A

These results are for

MARMON/KEYSTONE CORP

Mill Number ....

175-48777.

Purchase Order No 60-28154-001

Alloy .....

6061 Temper..... T6

Part No, Item No, Commodity No or Inventory No

Size Description. .750 IN OD X .058 IN WALL

Specification(s). WW-T-700/6F ASTM B210-04 AMS 4082N

Additional procedures as called for on Specification:

WE TAKE EXCEPTION TO PARA. 5.2.1. Per AMS 4082N, WAS NOT OILED. REVISED TEST CERTIFICATE, 06/05/07.

**CHANDLER PLANT**  
**BOX 5011 5573 W WILLIS ROAD**  
**CHANDLER AZ 85226**  
**PH: 602.796.1097**  
**FAX: 602.796.0596**  
**SALES: 602.528.8274**

  
 07/05/07

Chemical Composition Per Aluminum Standards and Data 2003											
Limits	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others	Al
MIN 0.40	*	0.7	0.15	--	0.6	0.04		--	--	Ea 0.05	Remainder
MAX 0.8	0.8	0.40	0.15	1.2	0.35	--	0.25	0.15	Total 0.15		
Actuals	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Others	Al
0.64	0.28	0.23		0.03	0.97	0.07		0.02	0.01		
0.62	0.30	0.19		0.03	0.85	0.08		0.04	0.01	Each 0.05	Remainder
										Total 0.15	

\* For WW-T-700/4 specification, maximum Si plus Fe is .45%.

\*\* 1100 Alloy Max Si + Fe is 0.95 %

Mechanical Properties			
Lot #	Temp	Yield PSI	Ultimate PSI
48696 A1 T6		43,400	47,700
48696 B1 T6		43,100	47,100

**Domestic Melt Source Made in USA**

We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description; and that samples representative of the material met the composition limits and had the mechanical properties as indicated.

Date 05/08/2007



 Wilfredo A. delaCruz  
 Sr. Metallurgical Engineer

CertAct

AT 75.058 734

**Marmont/Keystone Canada Inc.**



**Specialty Steels**

290 Chemin du Tremblay Boucherville QU CAN J4B 5X9  
 Tel -514-527-9153 232 Wats 1-800-361-8142 FAX -450-641-4357  
 E-mail: gdulude@mkcdn.com

PAGE:: 1

Date.: 8/27/09

Quotation number.: 1-529970

ATTN.: **CHANTAL LAVOIE**

Sold To:

DART AEROSPACE LTD  
 1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

**Territory:** 16A  
**Telephone:** 613 632 9577  
**Fax.....:** 613 632 1053

**QUOTATION**

Ship To:

DART AEROSPACE LTD  
 1270 ABERDEEN STREET

HAWKESBURY ON CAN K6A 1K7

Salesperson **G. Dulude** Your Reference No.

Ship Via

EPIC

F.O.B  
 BOUCHERVILLE

**Terms**

Pricing and delivery are based on the complete bill of Material. Change to quantities or delivery may require a revised quotation. Pricing and delivery, as quoted, are based on conditions prevailing at the time of quotation and are subject to review at time of order. Permissible variation in shipping quantities will be to the seller's standard practice. Orders resulting from quotation are subject to our credit approval. The Customer is to supply a written non-cancellable order to accept this quotation.

We thank you for your inquiry and take pleasure in quoting on your requirements as follows:

Quantity	Description	Days ARO	Pricing
Line - 1 300 FT	STAINLESS STEEL SEAMLESS TUBE ANNEALED AND PICKLED A213/SA213 A.W. STS .750 .049 F304L stock	1	2.250/FT 675.00
Line - 2 36 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .750 .058 D6061 36' (3 x 12') in stock. Balance of 72': 5/6 days	1	3.250/FT 117.00
Line - 3 156 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .500 .058 D6061 156' (13 x 12') stock. Balance of 348': 5/6 days	1	2.480/FT 386.88
Line - 4 204 FT	ALUMINUM SMLS TUBE T6 DRAWN B-210 ATS .375 .035 D6061 No stock. Delivery : 5/6 days.	1	1.850/FT 377.40
Please advise, if you place the order, if you want me to proceed with the "balance" written for some items.			
Energy Surcharge			12.20

All applicable taxes Extra.

Duty

All prices quoted in Canadian Dollars unless otherwise stated.

Total amount..: 1,568.48

Total weight...: 139.2 lbs



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

S/O 14470

## PURCHASE ORDER

Purchase Order ID PO10296

Purchase Order Date 8/28/09

PO Print Date 8/28/09

Page Number 1 of 2

Order From : VC-MAR001

MARMON/KEYSTONE CANADA LTD.  
290 CHEMIN DU TREMBLAY  
BOUCHERVILLE, QC J4B 5X9  
CA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 361 8142	Requisition Nbr	
Vendor Fax	450 641 4357	Tax Exempt Nbr	10127-2607
Vendor Account Nbr		Terms	Net 30
		Currency	CAD
		FOB	

Ship To : DART AEROSPACE LTD 1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price	
1	M304TR0.750W.049	304 RD Tube .750 x .049W	9/02/09 Yes	300.00 f	Epic collect	\$2.2500	\$675.00	
		Special Inst:	MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING SPEC'S: ASTM A213 OR ASME SA213 OR ASTM A269					
2	M6061T6T0.375W.035	6061-T6 RD Tube .375 x .035W	9/02/09 Yes	204.00 f	Epic collect	\$1.8500	\$377.40	
		Special Inst:	MATERIAL: 6061-T6 OR 6061-T62 TUBING PER: WW/T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-220/8 OR QQ-A- 225/8 PLEASE SHIP BACK ORDER WHEN READY					
3	M6061T6T0.500W.058	6061-T6 RD Tube .500 x .05RW	9/02/09 Yes	500.00 f	Epic collect	\$2.4800	\$1,240.00	

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable

Change Nbr: 1

Change Date: 8/28/09



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID: PO10296

Purchase Order Date: 8/28/09

PO Print Date: 8/28/09

Page Number: 2 of 2

Order From:  
**MARMON/KEYSTONE CANADA LTD.**  
290 CHEMIN DU TREMBLAY  
BOUCHERVILLE, QC J4B SX9  
CA

VC-MAR001

Contact Name  
Vendor Phone 800 361 8142  
Vendor Fax 450 641 4357  
Vendor Account Nbr:

Buyer Chantal Lavoie  
Requisition Nbr  
Tax Rate Nbr 1012772607  
Terms Net 30  
Currency CAD  
FOB

4	M6061T610.70W.058	6061-T6 RD Tube .750 X.058W	9/02/09	100.00 Epic collect	\$3.2500	\$325.00
			Yes	f		

PO Total: \$3,617.40

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Thanks!

Whitfield  
8/28

Change Nbr: 1	CD	No substitution or deviation without consent. Certificate of Conformity or Material Certification required when applicable
Change Date: 8/28/09	u	

**Marmon/Keystone Canada Inc.****Aciers Spécialisés**290, chemin du Tremblay  
Boucherville QC J4B 5X9

Téléphone : 514-527-9153

Téléc./Fax : 450-641-4357

www.marmonkeystone.com

**TÉLÉCOPIE / FACSIMILE**Date: 09/10/2009Téléc. : 1-613-632-5885 | 053Destinataire/To: Dart Aerospaceattn: Linda LacelleExpéditeur/From: Jeremie GendronConfidentialité:

L'INFORMATION CONTENUE DANS CE MESSAGE EST CONFIDENTIELLE, ELLE EST RÉSERVÉE AU SEUL USAGE DU DESTINATAIRE NOMMÉ CI-DESSUS. Toute lecture, copie ou divulgation du contenu de ce message par toute autre personne que le destinataire est strictement défendue. Si vous avez reçu la communication par erreur, veuillez nous en informer immédiatement. Nous vous remercions de votre collaboration.

Confidentiality Notice:

THIS FACSIMILE IS INTENDED SOLELY FOR THE INDIVIDUAL TO WHOM IT IS ADDRESSED AND IS CONFIDENTIAL IN NATURE. Please be advised that any distribution, reproduction or other use of this document by anyone other than the addressee is strictly prohibited. If you have received this communication in error, please notify us immediately. Thank you for your assistance.

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Nous transmettons un total de 10 page(s), incluant la page couverture.  
Si vous ne recevez pas toutes les pages, veuillez nous contacter immédiatement.

We are transmitting a total number of 10 pages, including this cover sheet.  
If you do not receive all pages, please contact us immediately.

---

**MESSAGE:**

Here is the paperwork for your order #10296.

Thank you



Membre des compagnies du Groupe Marmon

**Marmen/Keystone Canada Inc.**  
 **Specialty Steels**

PAGE : 1  
 290 Chemin du Tremblay Boucherville J4B 5X9  
 TEL (514) 527 9153 FAX (450) 641 4357

Shipping date.....: 09/10/2009  
 Name of Carrier...: EPIC  
 F.O.B.....: BOUCHERVILLE

COMBINATION SHORT FORM OF STRAIGHT BILL OF LADING-EXPRESS SHIFTING CONTRACT ADOPTED BY RAIL FREIGHT AND EXPRESS CARRIERS SUBJECT TO THE JURISDICTION OF THE CANADIAN TRANSPORT COMMISSION ISSUED AT SHIPPER'S REQUEST.  
 It is mutually agreed, as to each carrier of all or any of said goods over all or any portion of said route to destination, and as to each party at any time interested in all or any of said goods, that every service to be performed hereunder shall be subjected to all the terms and conditions (which are hereby incorporated by reference and have the same force and effect as if the same were fully and specifically set forth herein):  
 1. approved by the board of transport commission for Canada by General Order No. T-2, dated February 1, 1965 set forth in the Canadian freight Classification and also available at all railway agency stations and freight offices upon request, when said goods are carried by rail carrier; or  
 2. of the bill of lading set forth in or prescribed by the relevant tariff, classification, statutes and regulations motor carrier's services when said goods are carried by a motor carrier; or  
 3. of the bill of lading form prescribed by the regulations adopted by the order-in-council #966-79 dated April 4, 1979  
 4. of the Shipping Contract approved by the Board of Transport Commission for Canada by General Order No. 143 dated September 18, 1967 and set forth in Express Traffic Association Tariff 100 in effect on the date hereof, when said goods are carried by an express carrier subject to the jurisdiction of the said Board; and which are agreed to by the shipper and accepted for himself and his assigns.

Consigned to:

DART AEROSPACE LTD  
1270 ABERDEEN STREET

Telephone.....: 613 632 5200

HAWKESBURY ON CAN K6A 1K7

Customer order.: 10296

Description of shipments and special marks	Weight	PCS	If charges are to be prepaid write or stamp here: Collect
Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment rev:08/08			
01-ALUMINUM SMLS TUBE ATS .375 .035 D6061 09/10/2009 204 FT Cust. part#: M6061T60.375W.035 Rev: ZZ HT#:521252	9.0	17	Received \$ _____ To be applied in prepayment of the charges on the property described herein.
02-ALUMINUM SMLS TUBE ATS .750 .058 D6061 09/10/2009 72 FT Cust. part#: M6061T60.750W.058 Rev: ZZ HT#:D924	10.7	6	Agent or Carrier. Per.
03-ALUMINUM SMLS TUBE ATS .500 .058 D6061 09/10/2009 348 FT Cust. part#: M6061T60.500W.058 Rev: ZZ HT#:D925	33.1	29	For carrier's use Advance and or beyond \$ _____ Misc. \$ _____ Suppl. Piece \$ _____ Suppl. Value \$ _____ Total \$ _____
04-STAINLESS STEEL SEAMLESS TUBE 304L SMLS TUBE 3/4 X .049 BA213 A.W. A&P STS .750 .049 F304L 09/10/2009 300 FT Cust. part#: M304TR0.750W.049 Rev: SG HT#:772-3850	110.1	15	
05-ALUMINUM SMLS TUBE ATS .750 .058 D6061 09/10/2009 36 FT Cust. part#: M6061T60.750W.058 Rev: 02 HT#:175-48777	5.3	3	
06-ALUMINUM SMLS TUBE ATS .500 .058 D6061 09/10/2009 156 FT Cust. part#: M6061T60.500W.058 Rev: KA HT#:F00003727	14.8	13	Shipper show amount of C.O.D. C Amount \$ _____ Fee \$ _____ O _____ D Total \$ _____
Edms/Pieces 2 + 0 - 2	Number of extra large pieces.	Total weight 183 LB	Valuation
Dimensions	Where required by tariff shipper must complete the following. Total cubic feet	Dimensional weight	Order number 14470
Shipper	Transport	Customer	

**Marmom/Keystone Canada Inc.**  
 **Specialty Steels**

## PACKING SLIP

290 Chemin du Tremblay  
 Boucherville QU CAN J4B 5K9  
 TEL. 514/527-9153  
 FAX. 450/641-4357

PAGE...: 1  
 Order : 14470  
 Date..: 09/10/2009

SOLD TO:

DART AEROSPACE LTD  
 1270 ABERDEEN STREET  
 HAWKESBURY ON CAN K6A 1K7

SHIPPED TO:

DART AEROSPACE LTD  
 1270 ABERDEEN STREET  
 HAWKESBURY ON CAN K6A 1K7

SHIP VIA EPIC		F.O.B. BOUCHERVILLE	SALESPERSON G. Dulude	YOUR ORDER NO. 10296	
Ordered	Description		Number Pieces	Quantity Shipped	Back Ordered
	Fax all papers to Linda Lacelle 613-632-1053 Mill tests required with all shipment	rev:08/08			
01 204 /FT	ALUMINUM SMLS TUBE ATS .375 .035 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.375W.035 HT#.....: 521252 Total...		17 17	204/FT 204/FT	IN
02 72 /FT	ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.750W.058 HT#.....: D924 Total...		6 6	72/FT 72/FT	IN
03 348 /FT	ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.500W.058 HT#.....: D925 Total...		29 29	348/FT 348/FT	IN
04 300 /FT	STAINLESS STEEL SEAMLESS TUBE 304L SMLS TUBE 3/4 X .049 SA213 A.W. A&P STS .750 .049 F304L Tariff Number: 7304. Cust. part#: M304TR0.750W.049 HT#.....: 772-3850 Total...		15 15	300/FT 300/FT	IN
05 36 /FT	ALUMINUM SMLS TUBE ATS .750 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.750W.058 HT#.....: 175-48777 Total...		3 3	36/FT 36/FT	IN
06 156 /FT	ALUMINUM SMLS TUBE ATS .500 .058 D6061 Tariff Number: 7608.20.00.90 Cust. part#: M6061T60.500W.058 HT#.....: F00003727 Total...		13 13	156/FT 156/FT	IN

No. of Bdls/Pieces

2 / 0

Total Weight.....: 183

Customers.: \_\_\_\_\_

## 検査成績表

(MILL CERTIFICATE)

需 要 家:  
 (CUSTOMER) MARSH/KEYSTONE CANADA  
 注 文 者: 三京物産株式会社  
 (SUPPLIER) (SANKYO & CO., LTD.)  
 品 名:  
 (COMMODITY) STAINLESS STEEL COLD DRAWN TUBE (ASTM/ASME A269/A213/SA213 (A.W.) TP304/304L)

三京不銹鋼管(沈陽)有限公司  
 SANKYO STAINLESS TUBE(SHEN YANG) CO., LTD.  
 中國・瀋陽市蘇家屯区玫瑰街115号

発 行 日: 2009.03.02  
 (DATE OF ISSUE)  
 証 明 書 番 号: 09-0178  
 (CERTIFICATE NO.)  
 需要家管理番号: P.O.# MN 6115  
 (CUSTOMER ORDER NO.)

契約番号: S91CA40-B  
 (CONTRACT NO.)

寸法: 0.750" OD × 0.049" WT × 20' LG  
 (SIZE)

CASE NO.: 05

製造番号 (Lot No.) (三京)	ロット番号 (Lot No.) (SST)	製造番号 (Test No.) (SST)	試験番号 (Test No.) (SST)	数量(Quantity)			引張試験(Tension Test)			引張試験 (Tensile Test) HRB	結晶粒度 (Grain Size)	～ん平刺繡 (Flatness)	GOOD	
				本数 (No. of Pcs.)	重量 (Weight) kg	總長 (Total Length) m	0.2%耐力 (0.2% Y.S.) MPa	引張り強さ (T.S.) MPa	伸び (E) (%)					
			指定単位(Unit Designation)	本数 (Pcs.)	kg	m	MPa	MPa	(%)			押し抜け試験 (Bending)	GOOD	
			規格 (Specification)	最小0.65			170	485	35			外観寸法試験 (Measurement Inspection)	GOOD	
09-02-008	01		772-3850	42	141		285	595	59.4	68.5		溶接探傷試験 (Eddy Current)	GOOD	
09-02-008	03		872-2783	7	24		280	590	60.4	69.2		機械試験 (Microscopic)	-	
			TOTAL	49	165							圧縮腐食試験 (Intergranular Corrosion Test) ASTM A262 PRACTICE E	GOOD	
												備考(Remarks)		
												SOLUTION HEAT TREATMENT: 1100°C × 245Min/W.Q EN-10204-3.1 NACE MR-0175		

上記注文品は、御指定の規格又は仕様に従って製造されその要求事項を満足していることを証明します。  
 (IT IS HEREWITNESS CERTIFIED THAT THE ABOVE MATERIALS ARE SATISFACTORY IN COMPLIANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT.)

總工場長 Shoichi Ogawa  
 (MANAGER OF QUALITY SYSTEM SECTION)

Q.C. Reviewed  
 25.04.2009

09/10/2009 14:05 450-641-2153

MARSH/KEYSTONE

PAGE 05/10

ATS- 750-058-

-DB061 \* 175-48777 \* 0004997 \* BN5071 \* 6/19/2007

06/05/2007 From: MARSH/KEYSTONE  
 M/K OR:  
 C.P.O.:BN5071  
 C PART:

INIT.:

To:

OR. REF:  
SLSPRS:**KAISER CHANDLER****CERTIFICATION and  
PHYSICAL TEST RESULTS**

AP 026A

These results are for MARSH/KEYSTONE CORP  
 M&I Number .... 175-48777 Purchase Order No 60-28154-001  
 Alloy ..... 6061 Temper..... T6  
 Part No. Item No. Commodity No or Inventory No  
 Size Description. .750 IN OD X .055 IN WALL  
 Specification(s). WW-T-700/8F ASTM B210-04 AMS 4062N  
 Additional procedures as called for on Specification:

WE TAKE EXCEPTION TO PARA. 5.2.1. Per AMS 4062N, WAS NOT OILED. REVISED TEST CERTIFICATE, 06/05/07.

CHANDLER PLANT  
 BOX 5071 5071 W HILL RD  
 CHANDLER, AZ 85224  
 PH: 602/786.1007  
 FAX: 602/786.6296  
 SALINE: 602/786.8274

Limits Chemical Composition Per Aluminum Standards and Data 2003										
MIN	0.40	*	0.15	—	0.6	0.04	—	—	Ex. 0.05	Reminder
MAX	0.8	0.7	0.40	0.15	1.2	0.35	—	0.25	0.15	Total 0.15
Actual	Si	Fe	Cu	Mn	Ni	Cr	Ni	Zn	Ti	Others
0.64	0.28	0.23	0.03	0.97	0.07			0.02	0.01	
0.62	0.30	0.19	0.03	0.95	0.08			0.04	0.01	Each 0.05 Total 0.15

\* For WW-T-700/4 specification, maximum Si plus Fe is .45%.

\*\* T100 Alloy Max Si + Fe is 0.08%

Mechanical Properties	
Lot #	1 Temp
48696 Al T6	43,400
48696 Si T6	43,100

Date 05/06/2007 Wilfredo A. de la Cruz  
 Sr. Metallurgical Engineer

**Domestic Melt Source Made in USA**

We hereby certify that the material covered by this report has been inspected in accordance with, and has been found to meet, the applicable requirements described herein, including any specifications forming a part of the description; and that samples representative of the material met the composition limits and had the mechanical properties as indicated.

CertMat

AT 75.058 734

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
 FABRICATED PRODUCTS, LLC  
 6573 W. WILLIS ROAD  
 CHANDLER, AZ 85226

*Best in Class*

**CERTIFIED TEST REPORT**

<http://www.KaiserAluminum.com>

A6061

AT5 .500 .058

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:			
60-38934		AT5.058/734		Seamless Tube/Pipe			
KAISER ORDER NUMBER:	LINE ITEM:	SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:		
202448	002	09/17/2008	F00003727	6061	T6		
WEIGHT SHIPPED:	QUANTITY:	B/L NUMBER:	DIAM/ID/THKNS:	WIDTH:	LENGTH:		
678.000 LB	584.000 PCS	201533			12.000 FT		
SHIP TO:		SOLD TO:					
MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA		MARMON/KEYSTONE CORP 10700 MARMON DR BOLINGBROOK, IL 60440 USA					

**Actual Physical Properties**

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONTRACTS	BEND
F00003727	0001	1	43.8	40.2	14.0	N/A	N/A	N/A
F00003727	0002	1	47.7	43.6	16.0	N/A	N/A	N/A

**Chemical Composition (wt%), Aluminum Remainder**

LIMITS	Si	Fe	Cu	Mo	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Zn	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
R6588	.58	.22	.23	.07	1.02	.08	.02	.02	.00	.00	.00	.01	.01

**Applicable Requirements:**

Description: OD: 0.500"; Wall: 0.058"; Round 6  
 AMS-4082P ASTM-B210-04 WW-T-700/6F  
 WE TAKE EXCEPTION TO PARA. 24.3, PER ASTM B 210-04, WAS NOT  
 OILED. THE FOLLOWING SPECIFICATION HAVE BEEN MADE INACTIVE OR  
 CANCELLED: MIL-T-7081, WW-T-700F/GEN, WW-T-700/2E, WW-T-700/3F,  
 WW-T-700/4F, WW-T-700/5E, WW-T-700/6F, WW-T-700/7B.  
 COMPLIES TO DIN EN 10204 JAN 2005

MARMON / KEYSTONE	Q.C. REVIEWED	INITIAL
O7/04	07/04	07/04

**CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. delaCruz, Sr. Metallurgical Engineer

*Wilfredo A. delaCruz*

Page 1 of 2

Plant Serial: 00003035  
 Kaiser Order Number: 202448  
 Item: 002  
 O.C. REVIEWED

AT .508 734



*Best in  
Class*

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
6573 W. WILLIS ROAD  
CHANDLER, AZ 85226

CERTIFIED TEST REPORT  
<http://www.KaiserAluminum.com>

#### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

#### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Wilfredo A. delaCruz, Sr. Metallurgical Engineer

Plant Serial: 00003035

*Wilfredo A. delaCruz*

Kaiser Order Number: 202448

Page 2 of 2

Line Item: 002



## Precision Tube Company

A Mueller Industries Company  
257 Wissahickon Avenue  
North Wales, Pennsylvania 19454  
Phone: (215) 699-5801 - Fax: (215) 699-0781

### CERTIFICATION AND TEST REPORTS

9088 ITEM 4-5		328563	24A037500350030	
SOLD TO	PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001	SHIP TO	PRUDENTIAL STAINLESS PIPE L. 130 ESSEX AVENUE EAST AVENEL, NJ 07001	
5,004 FT	METAL - 6061 ALUM TEMPER - T8 SPEC - AMS-WW-T-700/6A ASTM-B-210-04 LENGTH - 12 FT LGTH TOL +.1250 IN -.0000 IN SHAPE - ROUND FINISH - STRAIGHT EXACT LENGTHS OD .3750 +.0030 -.0030 ID WALL .0350 +.0020 -.0020	4,872 FT	04/17/08	
SAMPLE #	TENSILE STRENGTH (PSI)	YIELD STRENGTH (PSI)	ELONGATION IN 2 INCHES (%)	ROCKWELL HARDNESS
1	46,829	39,916	15	AVERAGE GRAIN SIZE (MM)

EXPANSION TEST:  
MERCURIOUS NITRATE TEST:  
MICRO EXAMINATION:

FLATTENING TEST:  
FLARE TEST:

EDDY CURRENT TEST: PASS  
HYDROSTATIC PRESSURE TEST:  
ULTRASONIC TEST:

ALLOY: 6061 HEAT:	TRACEABILITY #: 521252						
RAW MATL VEND: PTT4529 - KAISER ALUMINUM							
Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
MIN. 0.40		0.15		0.80	0.04		Other - Elements Al

We hereby certify that the foregoing results are correct, that the material complied with the requirements of the above specifications and purchase order and that the test reports represent the actual attributes of the items furnished on this order. During the manufacturing, testing and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employed a single boundary compartment.

BY: Art Onaitis 04/17/08

Znak ISO 9001:2000		Szladekno odbioru 3.1 / Inspection certificate 3.1 080008400427 PN-EN 10204:2008								
Nr kontraktu i rozwarczenia blacha Order No and date		Zlecenie sprzedaży Sales order		Zlecenie produkcyjne Production order		Nr awizu Advice No				
PO13254		08000110840		080005046						
Przedmiot i wykazanie Item and specification		Wymiar lub rysunek Dimension or drawing	Gatunek stopu Alloy grade	Wytop Heat	je	Stan dostawy Delivery Temper				
Drawn tube ASTM B 210 AMS-WW-T-7006		OD: 0.7900" WALL: 0.0500" L: 144"	6091 AlMg1SiCu	D824	448	N/7	TB	700		
Kontrola techniczna, powierzona zatrudnionemu pośpiewnikowi BWW-LPC Laboratorium. Wyniki badań podano nizaj. Technical inspection of above mentioned lot has been carried out by the BWW-LPC Laboratory. Inspection results are stated below.										
1. SKŁAD CHEMICZNY - CHEMICAL COMPOSITION										
Gatunek stopu Alloy grade	Wytop Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	
6091	D824	0,74	0,18	0,33	0,05	1,04	0,34	0,06	0,02	
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES										
Nr próbki Sample no.	Stan dostawy Temper	Yield [KSI] (dysyn <sup>2</sup> )	Tensile [KSI] (dysyn <sup>2</sup> )	A %	A <sub>50mm</sub> %	Twardość Hardness HB	Inne badania Other tests			
139	TB	40,8	48,8		13,5					
3. BADANIA METALOGRAFICZNE - METALLOGRAPHIC TESTS										
Nr próbki Sample no.	Struktura Structure									
Powierzchnia i wymiary zbadane Surface and dimensions were checked		ANSI H35-2		Materiał oznaczono Material was marked						
Na podstawie wyżej opisowanych prób materiał zwolniono. According to above mentioned tests, the material has been approved.										
Kontrola Jakości Quality Inspection Unit					Data Date					
	<i>Kierownik Ultrasonic Weld Peformance Rep. No. Orzynow: M. KOWALEWSKI</i>				24.08.2008					

REMARK ISO 9001:2000		Swiadectwo odbioru 3.1 / Inspection certificate 3.1											
		00000045552T PN-EN 10204:2008											
Nr kontraktu i zamówienia Klienta Order No and date		Zlecenie odbioru Shipment order		Zlecenie produkcji Production order		Nr awizu Advice No							
PO13254		085001108/20		080008045									
Przedmiot i parametry Item and specification		Wymiary i obciążenia Dimensions or drawing		Gatunek stopu Alloy grade		Wytyp Heat	kg	Stan dostawy Temper					
Drawn tube ASTM B 210 AMS-WW-T-7008		OD: 0,5000" WALL: 0,0500" L: 144"		8061 AlMg15Cu		D925	232	T8					
Kontrola techniczna powyższego zamówienia przeprowadzona SWWW-LFC Laboratorium. Wyniki badań podane obok. Technical inspection of above mentioned lot has been sealed out by the SWWW-LFC Laboratory. Inspection results are stated below.													
1. SKŁAD CHEMICZNY - CHEMICAL COMPOSITION													
Gatunek stopu Alloy grade	Wytyp Heat	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti				
8061	D925	0,76	0,16	0,35	0,05	1,07	0,33	0,08	0,02				
2. WŁASNOŚCI MECHANICZNE - MECHANICAL PROPERTIES													
Nr próby Sample no.	Stan dostawy Temper	Yield [KSI] [Kiloni 2]	Tensile [KSI] [Kiloni 2]	A %	A <sub>50mm</sub> %	Twardość Härte	Inne badania Other tests						
86	T8	41,8	47,8		16,2								
3. BADAÑA METALOGRAFICZNE - METALLOGRAPHIC TESTS													
Nr próby Sample no.	Struktura Structure												
Prawidłowość i wymiar zbadano Surface and dimensions were checked		ANSI H 35-2		Materiał oznaczono Material was marked									
Na podstawie wyżej juzwspomnianych prób materiał zatwierdzony. According to above mentioned tests, the material has been approved.													
Kontrola Jakości Quality Inspection Unit										Data Date			
										08 10 2008			
%%[SEND]		Kierownik Lider grupy kontroli Wykonawcy											